

**R09**

**Code No: C8207, C7808**

**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD  
M.TECH I SEMESTER EXAMINATIONS, APRIL/MAY-2012**

**TCP-IP PROTOCOL SUITE**

**(COMMON TO COMPUTER NETWORKS, COMPUTER NETWORKS & INFORMATION  
SECURITY)**

**Time: 3hours**

**Max. Marks: 60**

**Answer any five questions  
All questions carry equal marks**

- - -

- 1.a) Explain the steps taken when a TCP connection is closed.
- b) Explain the steps taken when a TCP connection is established.
- c) Write briefly on the differences between TCP and UDP.
  
2. Write in detail different TCP/IP protocols and their applications.
  
- 3.a) Write in detail classful and classless internet addressing.
- b) Write in detail the relevance of network byte ordering.
  
- 4.a) What is the protocol that is used to implement network booting in diskless clients? Explain in detail on that protocol.
- b) Write in detail the purpose of IP.
  
5. Explain the client server model of developing TCP/IP applications using socket programming.
  
6. Write in detail SMTP protocol and SNMP Protocols.
  
7. Write in detail different routing protocols and their applications.
  
8. Write short notes on:
  - a) BOOTP
  - b) TELNET.

\* \* \* \* \*